

AMENDED ENVIRONMENTAL COMPLIANCE APPROVAL

NUMBER 2313-BJCR55

Issue Date: December 13, 2019

Pets Above Ltd.
7076 Wellington Road 124
Guelph/Eramosa, Ontario
N1H 6J3

Site Location: 7076 Wellington Road 124
Guelph/Eramosa Township, County of Wellington
N1H 6J3

You have applied under section 20.2 of Part II.1 of the Environmental Protection Act, R.S.O. 1990, c. E. 19 (Environmental Protection Act) for approval of:

- one (1) natural gas fired pet cremation unit (Power Pak II), identified as Source # S1 to process up to 91 kilograms per hour of Non-Infectious Remains of Companion Pets, equipped with one burner in the primary chamber, having a total heat input of 738,600 kilojoules per hour and one burner in the secondary chamber, having a total heat input of 2,110,150 kilojoules per hour (secondary chamber is capable of maintaining the gases that enter it from the primary chamber for at least 1 second, at a temperature of 1,000 degrees Celsius or higher), discharging into the air at a nominal volumetric flow rate of 1.72 actual cubic metres per second, through a stack, having an exit diameter of 0.51 metre, extending 2.0 metres above the roof and 8.5 metres above grade;
- one (1) natural gas fired pet cremation unit (IEB 32-5S), identified as Source # S2 to process up to 113.4 kilograms per hour of Non-Infectious Remains of Companion Pets, equipped with five (5) burners in the primary chambers (one (1) front primary chamber burner - maximum heat input of 633,100 kilojoules per hour, and 4 rear primary chambers burners, each with a maximum heat input of 422,100 kilojoules per hour); and two (2) burners in the secondary chamber having a maximum heat input of 1,477,100 kilojoules per hour, (secondary chamber is capable of maintaining the gases that enter it from the primary chamber for at least 1 second, at a temperature of 1,000 degrees Celsius or higher), discharging into the air through a stack, at a nominal volumetric flow rate of 1.18 actual cubic metres per second, through a stack, having an exit diameter of 0.51 metre, extending 2.0 metres above the roof and 8.5 metres above grade;

- one (1) natural gas fired pet cremation unit (IEB 32-5S), identified as Source # S3 to process up to 113.4 kilograms per hour of Non-Infectious Remains of Companion Pets, equipped with five (5) burners in the primary chambers (one (1) front primary chamber burner - maximum heat input of 633,1005 kilojoules per hour, and 4 rear primary chambers burners, each with a maximum heat input of 422,100 kilojoules per hour); and two (2) burners in the secondary chamber having a maximum heat input of 1,477,100 kilojoules per hour, (secondary chamber is capable of maintaining the gases that enter it from the primary chamber for at least 1 second, at a temperature of 1,000 degrees Celsius or higher), discharging into the air through a stack, at a nominal volumetric flow rate of 1.18 actual cubic metres per second, through a stack, having an exit diameter of 0.51 metre, extending 2.0 metres above the roof and 8.5 metres above grade;
- one (1) natural gas fired pet cremation unit (IEB-56), identified as Source # S4 to process up to 181.4 kilograms per hour of Non-Infectious Remains of Companion Pets, equipped with two burners in the primary chamber, each having maximum heat input of 633,100 kilojoules per hour; one (1) primary afterburner in the secondary chamber having a maximum heat input of 1,266,070 kilojoules per hour and one (1) secondary afterburner in the secondary chamber having a maximum heat input of 1,055,060 kilojoules per hour (secondary chamber is capable of maintaining the gases that enter it from the primary chamber for at least 1 second, at a temperature of 1,000 degrees Celsius or higher), discharging into the air through a stack, at a nominal volumetric flow rate of 1.86 actual cubic metres per second, through a stack, having an exit diameter of 0.51 metre, extending 2.0 metres above the roof and 8.5 metres above grade;

For the purpose of this environmental compliance approval, the following definitions apply:

1. "*Approval* " means this Environmental Compliance Approval, including the application and all supporting documentation;
2. "*CEM System*" means the continuous emission monitoring system consisting of continuous monitors and recording devices;
3. "*Continuous Temperature Monitor*" means a k-type thermocouple connected to a data acquisition system and complies with the requirements outlined in the attached Schedule "A";
4. "*Company* " means **Pets Above Ltd.** that is responsible for the construction or operation of the Facility and includes any successors and assigns in accordance with section 19 of the *EPA* ;
5. "*Date of Commissioning*" means the first day on which the *Company* begins to operate the Equipment at the *Facility* for the cremation of *Remains of Companion Pets* ;
6. "*Dead Farm Animal*" means a dead farm animal within the meaning of Ontario Regulation 106/09 (Disposal of Dead Farm Animals) made under the Nutrient Management Act, 2002, S.O. 2002, c. 4, as amended;
7. "*Director*" means any *Ministry* employee appointed by the Minister pursuant to Section 5 of the *EPA*;

8. "*District Manager*" means the District Manager of the appropriate local district office of the *Ministry*, where the *Facility* is geographically located;
9. "*EPA* " means the Environmental Protection Act, R.S.O. 1990, c.E.19, as amended;
10. "*Equipment* " means the four (4) pet cremation units, described in the *Company* 's application, this *Approval* and in the supporting documentation referred to herein, to the extent approved by this *Approval*;
11. "*ESDM report*" means the Emission Summary and Dispersion Modelling Report which was prepared in accordance with section 26 of *O. Reg. 419/05* and the *Procedure Document* by Adomait Environmental Solutions Inc. dated December 10, 2018 and signed by Andrew Lane-Smith, submitted in support of the application, and includes any changes to the report made up to the date of issuance of this *Approval*;
12. "*Facility* " means the entire operation located on the property where the Equipment is located;
13. "*Infectious Substance*" means, a disease listed in,
 - a. Schedule VII of the Health of Animals Regulations made under the Health of Animals Act (Canada) as amended, or
 - b. the Reportable Diseases Regulations made under the Health of Animals Act (Canada) as amended;
14. "*Manager*" means the Manager, Technology Standards Section, Technical Assessment and Standards Development Branch, or any other person who represents and carries out the duties of the Manager, Technology Standards Section, Technical Assessment and Standards Development Branch, as those duties relate to the conditions of this *Approval* ;
15. "*Manual*" means a document or a set of documents that provide written instructions to staff of the *Company*;
16. "*Ministry*" means the ministry of the government of Ontario responsible for the *EPA* and includes all officials, employees or other persons acting on its behalf;
17. "*Non-Infectious Remains of Companion Pets*" means *Remains of Companion Pets* that are not contaminated with any *Infectious Substance* ;
18. "*O. Reg. 419/05*" means the Ontario Regulation 419/05, Air Pollution – Local Air Quality, as amended;

19. "*Performance Requirements*" means the performance requirements and emission limits specified in the sections of this *Approval* titled "Operating Parameters", "Emission Concentration Limit", and "Noise";
20. "*Point of Impingement*" has the same meaning as in section 2 of *O. Reg. 419*;
21. "*Pre-Test Plan*" means a plan for the *Source Testing* including the information required in Section 1.1 of the *Source Testing Code*;
22. "*Publication NPC-300*" means the *Ministry* Publication NPC-300, "Environmental Noise Guideline, Stationary and Transportation Sources – *Approval* and Planning, Publication NPC-300", August 2013, as amended;
23. "*Regulated Dead Animal*" means a regulated dead animal within the meaning of Ontario Regulation 105/09 (Disposal of Deadstock) made under the Food Safety and Quality Act, 2001, S.O. 2001, CHAPTER 20, as amended;
24. "*Remains of Companion Pets*" means whole carcasses or parts from carcasses of animals that were kept by humans for company, amusement or psychological support, excluding any remains of *Dead Farm Animals or Regulated Dead Animals*;
25. "*Schedules*" means the following schedules attached to this *Approval* and forming part of this *Approval* namely:
 - Schedule A - Continuous Temperature Monitoring System.
 - Schedule B - Continuous Oxygen Monitoring System.
 - Schedule C - Continuous Carbon Monoxide Monitoring System.
 - Schedule D - Test Contaminants.
 - Schedule E - Source Testing Procedures.
26. "*Source Testing*" means site-specific sampling and testing to measure emissions resulting from operating the *Targeted Source* under operating conditions that will derive an emission rate that, for the relevant averaging period of the contaminant, is at least as high as the maximum emission rate that the source of contaminant is reasonably capable of, within the approved operating range of the *Targeted Source* which satisfies paragraph 1 of subsection 11(1) of *O. Reg. 419/05*;
27. "*Source Testing Code*" means the Ontario Source Testing Code, dated June 2010, prepared by the *Ministry*, as amended;
28. "*Targeted Source*" means the natural gas fired pet cremation unit (IEB-56), identified as Source # S4 in this *Approval*; and
29. "*Test Contaminants*" means the contaminants listed in Schedule "D".

You are hereby notified that this environmental compliance approval is issued to you subject to the terms and conditions outlined below:

TERMS AND CONDITIONS

1. OPERATING PARAMETERS

1. The *Company* shall ensure that the *Equipment* is designed and operated to comply, at all times, with the following performance requirements:
 - a. the temperature in the secondary combustion chamber, as recorded by the *Continuous Temperature Monitor*, shall be at least 1,000 degrees Celsius before the primary combustion chamber is loaded and thereafter throughout each cremation; and
 - b. the residence time of the combustion gases in the secondary combustion chamber shall be at a minimum one second at a temperature of at least 1,000 degrees Celsius.

2. EMISSION CONCENTRATION LIMIT

1. The *Company* shall ensure that the *Equipment* is designed and operated to comply, at all times, with the following performance requirements:
 - a. the concentration of oxygen in the undiluted flue gas leaving the secondary chamber, as recorded by the *CEM System*, shall not be less than 6 percent by volume on a dry basis, calculated as a 10-minute average;
 - b. the half-hour average concentration of carbon monoxide in the undiluted flue gases leaving the secondary combustion chamber, as recorded by the *CEM System*, shall not exceed 100 parts per million by volume, on a dry basis normalized to 11 percent oxygen at a reference temperature of 25 degrees Celsius and a reference pressure of 101.3 kilopascals; and
 - c. the concentration of organic matter having a carbon content, expressed as equivalent methane, being an average of ten measurements taken at approximately one minute intervals, shall not be greater than 100 parts per million by volume, measured on an undiluted basis.

3. NOISE

1. The *Company* shall, at all times, ensure that the noise emissions from the *Facility* shall comply with the limits set out in *Ministry Publication NPC-300*.

4. OPERATION AND MAINTENANCE

1. The *Company* shall ensure that the *Facility/Equipment* is properly operated and maintained at all times. The *Company* shall:
 - a. prepare, before commencement of operation of the *Equipment*, and update, as necessary, an Operational and Maintenance *Manual* outlining the operating procedures and a maintenance program for the *Equipment*, including:
 - i. procedures to ensure that only *Non-Infectious Remains of Companion Pets* are processed in the *Equipment*;
 - ii. the routine and emergency operating and maintenance procedures in accordance with good engineering practice, including annual inspection procedures as recommended by the *Equipment* and *CEM System* suppliers;
 - iii. emergency procedures;
 - iv. procedures to control all discharges from the *Equipment* in the event of loss or failure of power source to the *Equipment*;
 - v. procedures for any record keeping activities relating to the operation and maintenance of the *Equipment*;
 - vi. procedures for operator training which is to be provided by an individual experienced with the *Equipment*;
 - vii. procedures for optimizing the operation of the *Equipment* to minimize the emissions from the *Equipment*; and
 - viii. the procedures for recording and responding to complaints regarding the operation of the *Equipment*;
 - b. implement the recommendations of the Operational and Maintenance *Manual*;
2. The *Company* shall operate the *Equipment* in accordance with the following procedures:
 - a. The *Company* shall ensure that the primary combustion chamber is not loaded unless the associated *CEM System* is fully operational. The burner flame in the secondary chamber shall be established before the primary chamber is fired;
 - b. The temperature in the secondary chamber, as measured by the *CEM System*, shall be maintained at minimum of 1,000 degrees Celsius at all times when the primary chamber is loaded and incineration is in progress;
 - c. The burner in the primary chamber shall shut off automatically if the secondary chamber burner fails.
3. The *Company* shall ensure that only *Non-Infectious Remains of Companion Pets* are burned in the *Equipment*.

5. COMPLAINTS RESPONSE PROCEDURE

1. If at any time, the *Company* receives any environmental complaints from the public regarding the operation of the *Facility*, the *Company* shall respond to these complaints according to the following procedure:
 - a. The *Company* shall record each environmental complaint and notify the *District Manager*, in writing within two (2) business days of the receipt of a complaint, including the following information:
 - i. nature of the complaint;
 - ii. weather conditions and wind direction at the time of the complaint;
 - iii. name and address of the complainant (if provided);
 - iv. time and date of the complaint and incident to which the complaint relates; and
 - v. a description of the measures taken to address the cause of the incident to which the complaint relates and to prevent a similar occurrence in the future.
 - b. The *Company* shall forthwith take appropriate steps to determine all possible causes of the complaint and to eliminate the cause of the complaint. A written reply shall be provided to the complainant, if known and if requested by the complainant, within three (3) business days of receipt of the complaint by the *Company*.
 - c. The *Company* shall notify the *District Manager*, in writing, of each environmental complaint and the measures taken to address the complaint within two (2) business days of the complaint. The notification shall include:
 - i. a description of the nature of the complaint;
 - ii. the time and date of the incident to which the complaint relates; and
 - iii. a description of the measures taken to address the cause of the incident to which the complaint relates and to prevent a similar occurrence in the future.

6. SOURCE TESTING

1. The *Company* shall perform *Source Testing* in accordance with the procedures outlined in the attached Schedule "E", to determine the rate of emission of Total Suspended Particulate Matter and Total Organic Matter from the *Targeted Source*.

2. In the event that the results of the *Source Testing* indicate that the concentration of particulate matter in the undiluted gas emitted from the *Targeted Source* exceeds 20 milligrams per cubic metre on a dry basis, normalized to 11% oxygen, the *Company* shall perform *Source Testing* not later than three (3) months after the first *Source Testing*, to determine the rate of emission of the *Test Contaminants* listed in Schedule "D".

7. CONTINUOUS MONITORING

1. The *Company* shall, prior to the commencement of operation of the *Equipment*, install and subsequently conduct and maintain a program to continuously monitor:
 - a. the temperature at the location in the secondary chamber of the *Equipment* where the minimum retention time of the combustion gases at a minimum temperature of 1000 degrees Celsius for at least one second is achieved; and
 - b. the concentration of carbon monoxide and the concentration of oxygen in the undiluted gases leaving the secondary chamber of the *Equipment*.

The *CEM System* shall be equipped with continuous recording devices and shall comply with the requirements outlined in the attached Schedule "A", "B", and "C".

8. RECORD RETENTION

1. The *Company* shall maintain and retain for a minimum of two (2) years from the date of their creation, all records and information related to or resulting from the operation of the *Equipment*, and monitoring and recording activities required by this *Approval*. These records shall be made available to staff of the *Ministry* upon request in a timely manner. The *Company* shall retain:
 - a. daily records of each load processed by the *Equipment*;
 - b. all original records produced by the *Source Testing* and the recording devices associated with the *CEM System*;
 - c. records of all excursions from the applicable *Performance Requirements* as measured by the *CEM System*, duration of the excursions, reasons for the excursions and corrective measures taken to eliminate the excursions;
 - d. all records on maintenance, repair and inspection of the *Equipment* and the *CEM System*;
 - e. description of any upset conditions associated with the operation of the *Equipment* and remedial action taken;
 - f. all records on operator training, including:
 - i. date of training;

- ii. name and signature of person who has been trained; and
 - iii. description of the training provided;
- g. all records on the environmental complaints, including:
 - i. a description, time and date of the incident;
 - ii. wind direction at the time of the incident; and
 - iii. a description of the measures taken to address the cause of the incident and to prevent a similar occurrence in the future.

SCHEDULE "A"

Continuous Temperature Monitoring System

PARAMETER:

Temperature

LOCATION:

The sample point for the Continuous Temperature Monitor shall be located in:

1. the outlet of the primary chamber; and
2. the secondary chamber where the minimum retention time of the combustion gases at a minimum temperature of 1000 degrees Celsius for at least one second is achieved.

PERFORMANCE:

The Continuous Temperature Monitor shall meet the following minimum performance specifications for the following parameters:

PARAMETERS	SPECIFICATION
Type	shielded "K" type thermocouple, or equivalent
Accuracy	± 1.5 percent of the minimum gas temperature

DATA RECORDER:

The data recorder must be capable of registering continuously the measurement of the monitor without a significant loss of accuracy and with a time resolution of 1 minutes or better.

RELIABILITY:

The monitor shall be operated and maintained so that accurate data is obtained during a minimum of 95 percent of the time for each calendar quarter.

SCHEDULE "B"

Continuous Oxygen Monitoring System

PARAMETER:

Oxygen

INSTALLATION:

The Continuous Oxygen Monitor shall be installed at an accessible location where the measurements are representative of the actual concentration of oxygen in the undiluted gases leaving the secondary chamber of the *Equipment* and shall meet the following installation specifications:

PARAMETERS	SPECIFICATION
Range (percentage)	0 to 25
Calibration Gas Ports	close to the sample point

PERFORMANCE:

The Continuous Oxygen Monitor shall meet the following minimum performance specifications for the following parameters.

PARAMETERS	SPECIFICATION
Span Value (percentage)	80 to 100% of full scale
Relative Accuracy	≤ 10 percent of the mean value of the reference method test data
Calibration Error	0.5 percent O ₂
System Bias	≤ 4 percent of the mean value of the reference method test data
Procedure for Zero and Span Calibration check	all system components checked
Zero Calibration Drift (24-hour)	≤ 0.5 percent O ₂
Span Calibration Drift (24-hour)	≤ 0.5 percent O ₂
Response Time (90 percent response to a step change)	≤ 180 seconds
Operational Test Period	≥ 168 hours without corrective maintenance

CALIBRATION:

Daily calibration drift checks on the *CEM System* (from probe to analyzer) shall be performed according to the CEM manufacturer's specifications to validate that the requirements of Report EPS 1/PG/7 are met.

DATA RECORDER:

The data recorder must be capable of registering continuously the measurement of the monitor with an accuracy of 0.5 percent of a full scale reading or better and with a time resolution of 2 minutes or better.

RELIABILITY:

The monitor shall be operated and maintained so that accurate data is obtained during a minimum of 90 percent of the time for each calendar quarter during the first full year of operation, and 95 percent, thereafter.

SCHEDULE "C"

Continuous Carbon Monoxide Monitoring System

PARAMETER:

Carbon Monoxide

INSTALLATION:

The Continuous Carbon Monoxide Monitor shall be installed at an accessible location where the measurements are representative of the actual concentration of carbon monoxide in the undiluted gases leaving the secondary chamber of the *Equipment* and shall meet the following installation specifications:

PARAMETERS	SPECIFICATION
Range (parts per million, ppm)	0 to ≥ 100
Calibration Gas Ports	close to the sample point

PERFORMANCE:

The Continuous Carbon Monoxide Monitor shall meet the following minimum performance specifications for the following parameters:

PARAMETERS	SPECIFICATION
Span Value (nearest ppm equivalent)	80 to 100% of full scale
Relative Accuracy	≤ 10 percent of the mean value of the reference method test data or ± 5 ppm whichever is greater
Calibration Error	≤ 2 percent of actual concentration
System Bias	≤ 4 percent of the mean value of the reference method test data
Procedure for Zero and Span Calibration Check	all system components checked
Zero Calibration Drift (24-hour)	≤ 5 percent of span value
Span Calibration Drift (24-hour)	≤ 5 percent of span value
Response Time (90 percent response to a step change)	≤ 180 seconds
Operational Test Period	≥ 168 hours without corrective maintenance

CALIBRATION:

Daily calibration drift checks on the *CEM System* (from probe to analyzer) shall be performed according to the CEM manufacturer's specifications to validate that the requirements of Report EPS 1/PG/7 are met.

DATA RECORDER:

The data recorder must be capable of registering continuously the measurement of the monitor with an accuracy of 0.5 percent of a full scale reading or better and with a time resolution of 2 minutes or better.

RELIABILITY:

The monitor shall be operated and maintained so that accurate data is obtained during a minimum of 90 percent of the time for each calendar quarter during the first full year of operation, and 95 percent, thereafter.

SCHEDULE "D"

Test Contaminants

- Total Suspended Particulate Matter
- Total Hydrocarbons Compounds (Total Gaseous Non-Methane Organics)
- Benzo(a)pyrene

List of Dioxins, Furans and Dioxin-like PCBs

- 2,3,7,8-Tetrachlorodibenzo-p-dioxin [2,3,7,8-TCDD]
- 1,2,3,7,8-Pentachlorodibenzo-p-dioxin [1,2,3,7,8-PeCDD]
- 1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin [1,2,3,4,7,8-HxCDD]
- 1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin [1,2,3,6,7,8-HxCDD]
- 1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin [1,2,3,7,8,9-HxCDD]
- 1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin [1,2,3,4,6,7,8-HpCDD]
- 1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin [1,2,3,4,6,7,8,9-OCDD]
- 2,3,7,8-Tetrachlorodibenzofuran [2,3,7,8-TCDF]
- 2,3,4,7,8-Pentachlorodibenzofuran [2,3,4,7,8-PeCDF]
- 1,2,3,7,8-Pentachlorodibenzofuran [1,2,3,7,8-PeCDF]
- 1,2,3,4,7,8-Hexachlorodibenzofuran [1,2,3,4,7,8-HxCDF]
- 1,2,3,6,7,8-Hexachlorodibenzofuran [1,2,3,6,7,8-HxCDF]
- 1,2,3,7,8,9-Hexachlorodibenzofuran [1,2,3,7,8,9-HxCDF]
- 2,3,4,6,7,8-Hexachlorodibenzofuran [2,3,4,6,7,8-HxCDF]
- 1,2,3,4,6,7,8-Heptachlorodibenzofuran [1,2,3,4,6,7,8-HpCDF]
- 1,2,3,4,7,8,9-Heptachlorodibenzofuran [1,2,3,4,7,8,9-HpCDF]
- 1,2,3,4,6,7,8,9-Octachlorodibenzofuran [1,2,3,4,6,7,8,9-OCDF]
- 3,3',4,4'-Tetrachlorobiphenyl [3,3',4,4'-tetraCB (PCB 77)]
- 3,4,4',5- Tetrachlorobiphenyl [3,4,4',5-tetraCB (PCB 81)]
- 3,3',4,4',5- Pentachlorobiphenyl (PCB 126) [3,3',4,4',5-pentaCB (PCB 126)]
- 3,3',4,4',5,5'- Hexachlorobiphenyl [3,3',4,4',5,5'-hexaCB (PCB 169)]
- 2,3,3',4,4'- Pentachlorobiphenyl [2,3,3',4,4'-pentaCB (PCB 105)]
- 2,3,4,4',5- Pentachlorobiphenyl [2,3,4,4',5-pentaCB (PCB 114)]
- 2,3',4,4',5- Pentachlorobiphenyl [2,3',4,4',5-pentaCB (PCB 118)]
- 2',3,4,4',5- Pentachlorobiphenyl [2',3,4,4',5-pentaCB (PCB 123)]
- 2,3,3',4,4',5- Hexachlorobiphenyl [2,3,3',4,4',5-hexaCB (PCB 156)]
- 2,3,3',4,4',5'- Hexachlorobiphenyl [2,3,3',4,4',5'-hexaCB (PCB 157)]
- 2,3',4,4',5,5'- Hexachlorobiphenyl [2,3',4,4',5,5'-hexaCB (PCB 167)]
- 2,3,3',4,4',5,5'- Heptachlorobiphenyl [2,3,3',4,4',5,5'-heptaCB (PCB 189)]

SCHEDULE "E"

Source Testing Procedures

1. The *Company* shall submit, not later than three (3) months prior to the *Source Testing*, to the *Manager* a *Pre-Test Plan* for the *Source Testing* required under this *Approval*. The *Company* shall finalize the *Pre-Test Plan* in consultation with the *Manager*.
2. The *Company* shall not commence the *Source Testing* required under this *Approval* until the *Manager* has approved the *Pre-Test Plan*.
3. The *Company* shall complete the *Source Testing*, no later than three (3) months after the *Date of Commissioning* of the *Targeted Source* or three (3) months after the *Manager* has approved the *Pre-Test Plan*, whichever occurs later.
4. The *Company* shall notify the *Manager* and the *District Manager* in writing of the location, date and time of any impending *Source Testing* required by this *Approval*, at least fifteen (15) days prior to the *Source Testing*.
5. The *Company* shall submit a report (hard copy and electronic format) on the *Source Testing* to the *Manager* and the *District Manager* not later than three (3) months after completing the *Source Testing*. The report shall be in the format described in the *Source Testing Code*, and shall also include, but not be limited to:
 - a. an executive summary;
 - b. records of operating conditions, including all records produced by the continuous monitoring systems; and
 - c. results of dispersion calculations in accordance with *O. Reg. 419/05*, indicating the maximum concentration of the *Test Contaminants* at the *Point of Impingement*.
 - d. a tabular comparison of calculated emission rates and emission factors based on *Source Testing* results for the *Test Contaminants* to relevant estimates described in the *ESDM Report*.
6. The *Director* may not accept the results of the *Source Testing* if:
 - a. the *Source Testing Code* or the requirements of the *Manager* were not followed;
 - b. the *Company* did not notify the *Manager*, the *District Manager* and the *Director* of the *Source Testing*; or

- c. the *Company* failed to provide a complete report on the *Source Testing*.
7. If the *Director* does not accept the results of the *Source Testing*, the *Director* may require re-testing. If re-testing is required, the *Pre-Test Plan* strategies need to be revised and submitted to the *Manager* for approval. The actions taken to minimize the possibility of the *Source Testing* results not being accepted by the *Director* must be noted in the revision.
8. The *Company* shall update their *ESDM Report* in accordance with Section 26 of *O. Reg. 419/05* and the *Procedure Document* with the results from the *Source Testing* if any of the calculated emission factors or calculated emission rates are higher than the predicted rates in the *ESDM report*, not later than three (3) months after the submission of the *Source Testing* report and make these records available for review by staff of the *Ministry* upon request.

The reasons for the imposition of these terms and conditions are as follows:

1. Conditions No. 1, 2, and 3 are included to provide the minimum performance requirements considered necessary to prevent an adverse effect resulting from the operation of the *Facility/Equipment*.
2. Conditions No. 4 and 5 are included to emphasize that the *Equipment* must be operated and maintained according to a procedure that will result in compliance with the *EPA*, the regulations and this *Approval*.
3. Conditions No. 6 and 7 are included to require the *Company* to gather accurate information so that the environmental impact and subsequent compliance with the *EPA*, the regulations and this *Approval* can be verified.
4. Condition No. 8 is included to require the *Company* to keep records and provide information to the *Ministry* so that the environmental impact and subsequent compliance with the *EPA*, the regulations and this *Approval* can be verified.

Upon issuance of the environmental compliance approval, I hereby revoke Approval No(s). 6255-ADMJ7J issued on September 20, 2016.

In accordance with Section 139 of the Environmental Protection Act, you may by written Notice served upon me, the Environmental Review Tribunal and in accordance with Section 47 of the Environmental Bill of Rights, 1993, the Minister of the Environment, Conservation and Parks, within 15 days after receipt of this Notice, require a hearing by the Tribunal. The Minister of the Environment, Conservation and Parks will place notice of your appeal on the Environmental Registry. Section 142 of the Environmental Protection Act provides that the Notice requiring the hearing shall state:

- a. The portions of the environmental compliance approval or each term or condition in the environmental compliance approval in respect of which the hearing is required, and;
- b. The grounds on which you intend to rely at the hearing in relation to each portion appealed.

Pursuant to subsection 139(3) of the Environmental Protection Act, a hearing may not be required with respect to any terms and conditions in this environmental compliance approval, if the terms and conditions are substantially the same as those contained in an approval that is amended or revoked by this environmental compliance approval.

The Notice should also include:

1. The name of the appellant;
2. The address of the appellant;
3. The environmental compliance approval number;
4. The date of the environmental compliance approval;
5. The name of the Director, and;
6. The municipality or municipalities within which the project is to be engaged in.

And the Notice should be signed and dated by the appellant.

This Notice must be served upon:

The Secretary*
Environmental Review Tribunal
655 Bay Street, Suite 1500
Toronto, Ontario
M5G 1E5

AND

The Minister of the Environment,
Conservation and Parks
777 Bay Street, 5th Floor
Toronto, Ontario
M7A 2J3

AND

The Director appointed for the purposes of
Part II.1 of the Environmental Protection Act
Ministry of the Environment,
Conservation and Parks
135 St. Clair Avenue West, 1st Floor
Toronto, Ontario
M4V 1P5

*** Further information on the Environmental Review Tribunal's requirements for an appeal can be obtained directly from the Tribunal at: Tel: (416) 212-6349, Fax: (416) 326-5370 or www.ert.gov.on.ca**

This instrument is subject to Section 38 of the Environmental Bill of Rights, 1993, that allows residents of Ontario to seek leave to appeal the decision on this instrument. Residents of Ontario may seek leave to appeal within 15 days from the date this decision is placed on the Environmental Registry. By accessing the Environmental Registry at <https://ero.ontario.ca/>, you can determine when the leave to appeal period ends.

The above noted activity is approved under s.20.3 of Part II.1 of the Environmental Protection Act.

DATED AT TORONTO this 13th day of December, 2019



Jeffrey McKerrall, P.Eng.
Director
appointed for the purposes of Part II.1 of the
Environmental Protection Act

BS/

c: District Manager, MECP Guelph
Andrew Lane-Smith, Adomait Environmental Solutions Inc.